

FIG. 1

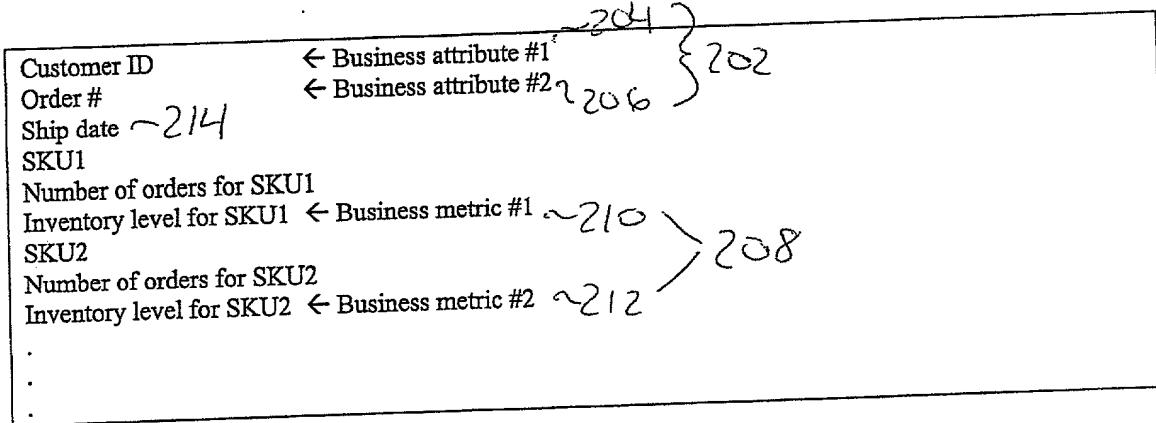


FIG. 2

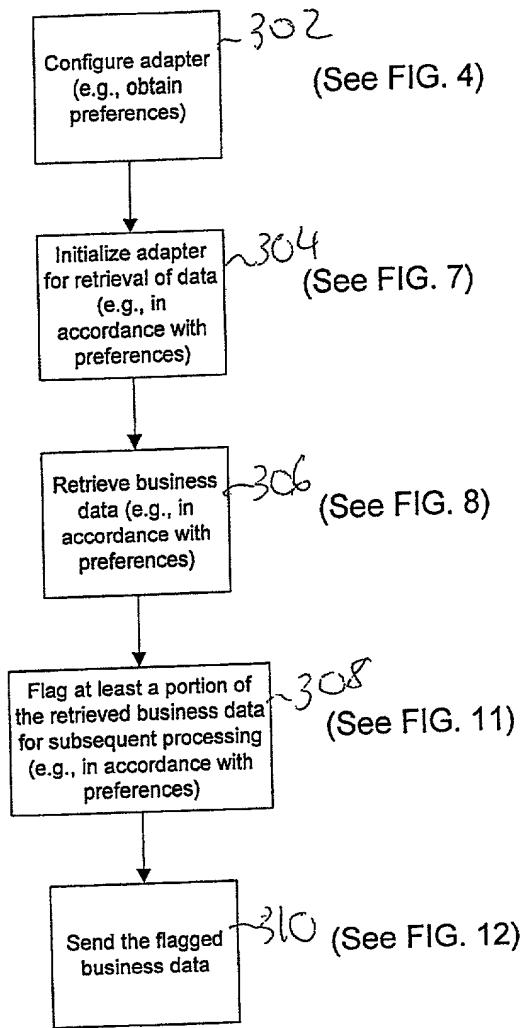


FIG. 3

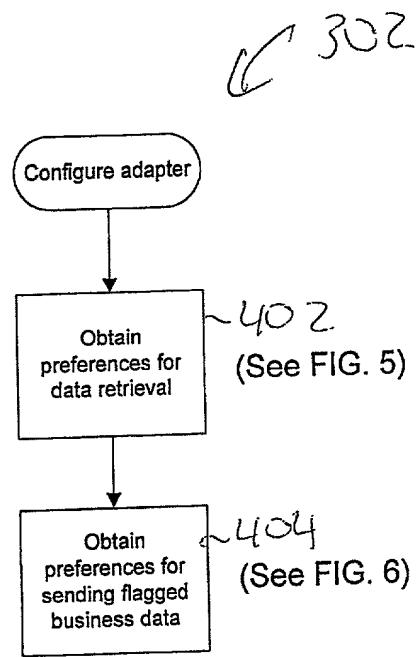


FIG. 4

402

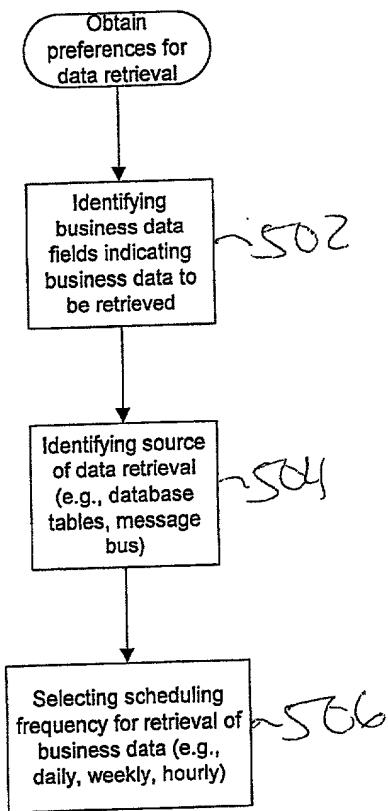


FIG. 5

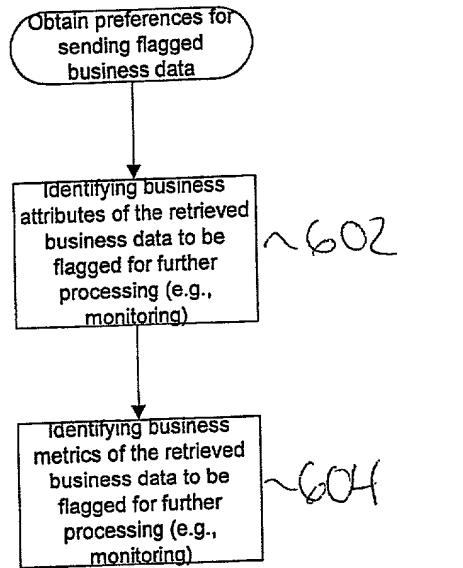


FIG. 6

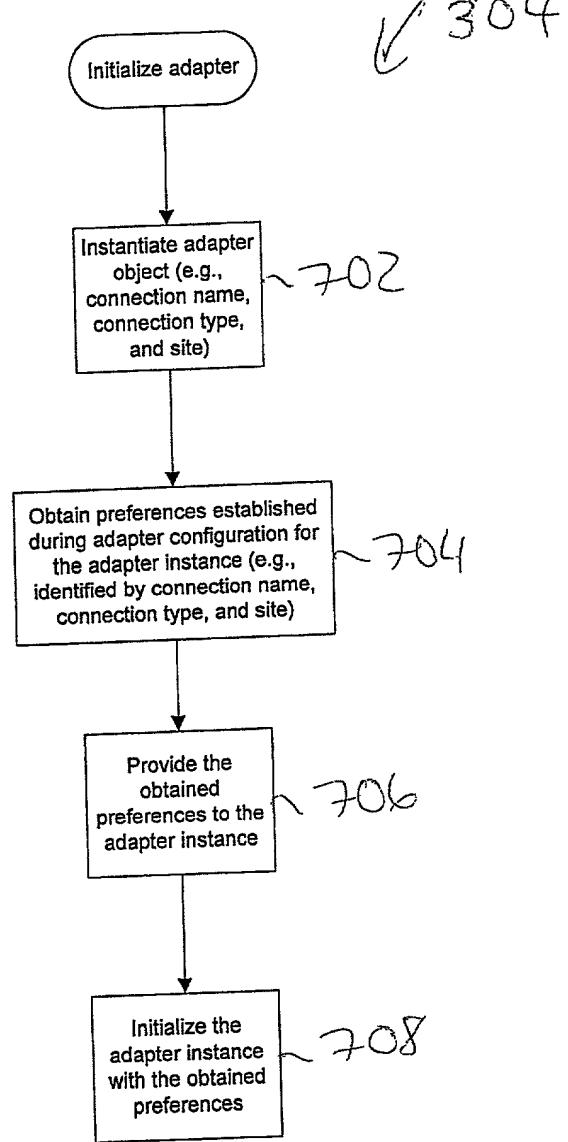


FIG. 7

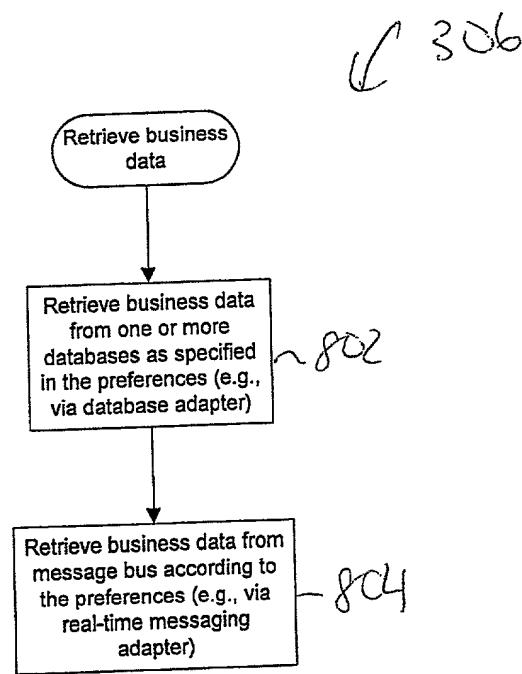


FIG. 8

✓ 802

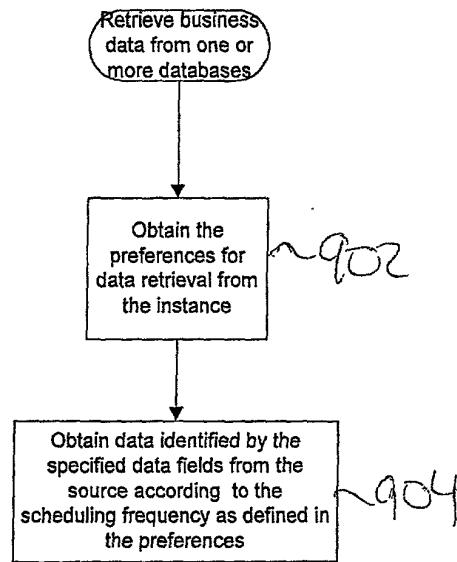


FIG. 9

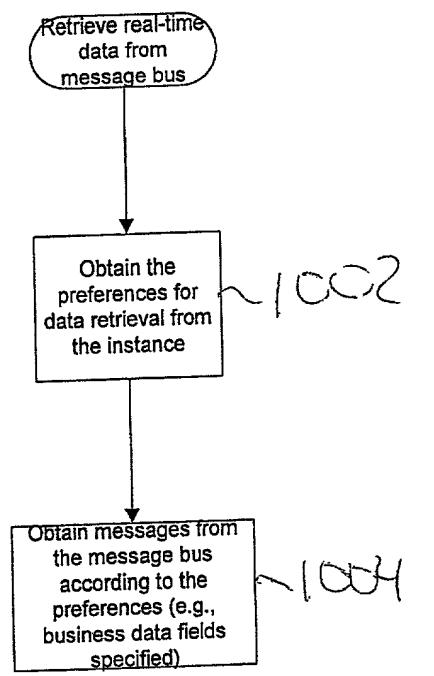


FIG. 10

Attribute name	Data type	Attribute value	Attribute #	Metric value flag
Customer	String	“SHOES INC”	1	
Order No.	Integer	42859	2	
Ship date	String	“01/04/01”		
SKU1	Integer	000195		
Number of orders - SKU1	Integer	4		
Inventory level for SKU1	Integer	97		1
SKU2	Integer	000228		
Number of orders - SKU2	Integer	16		
Inventory level for SKU2	Integer	31		2

FIG. 11

Message

Subject name	1202
Array (see FIG. 11)	1204

FIG. 12

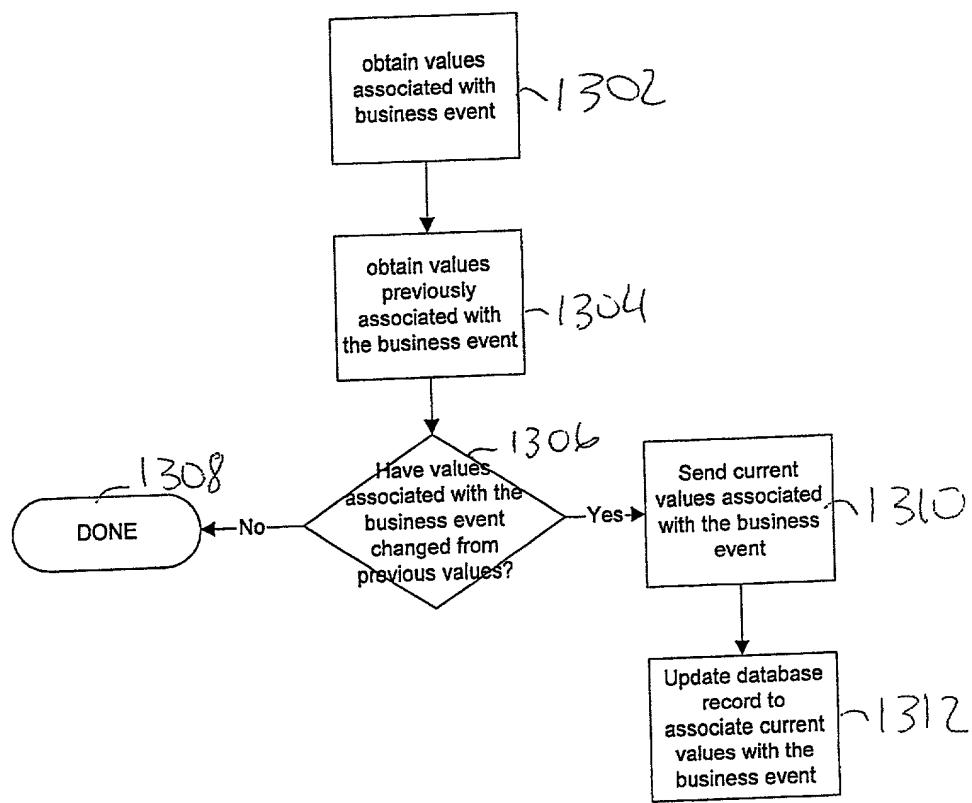


FIG. 13

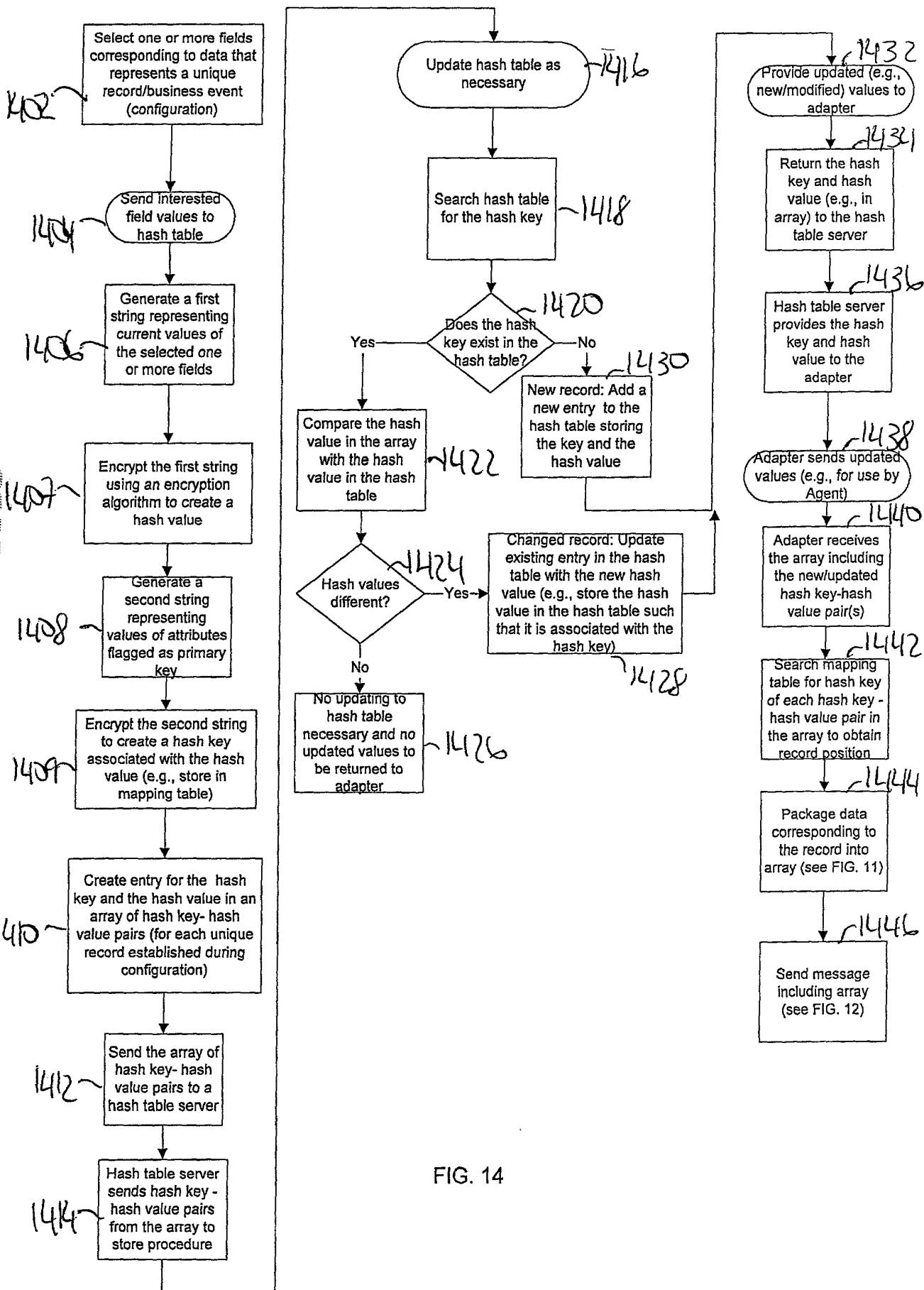


FIG. 14

~1502 ~1504

Hash key	Hash value
Key 1	String 1
Key 2	String 2

FIG. 15

Mapping Table

~1602 ~1604

Hash key	Original record position (e.g., pointer)

FIG. 16

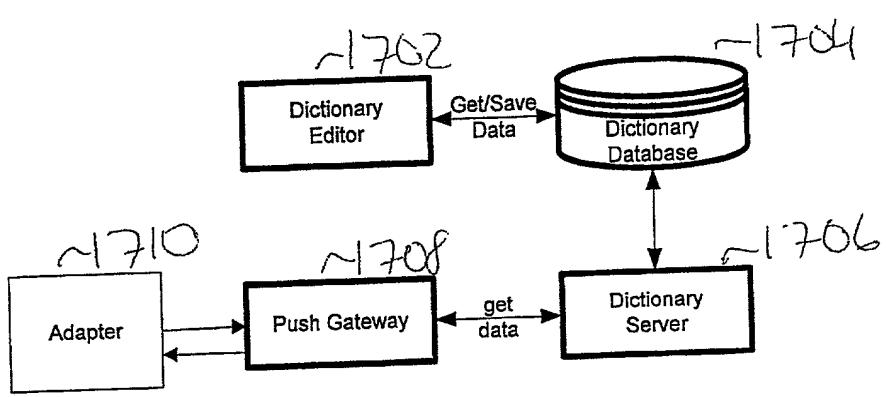


FIG. 17

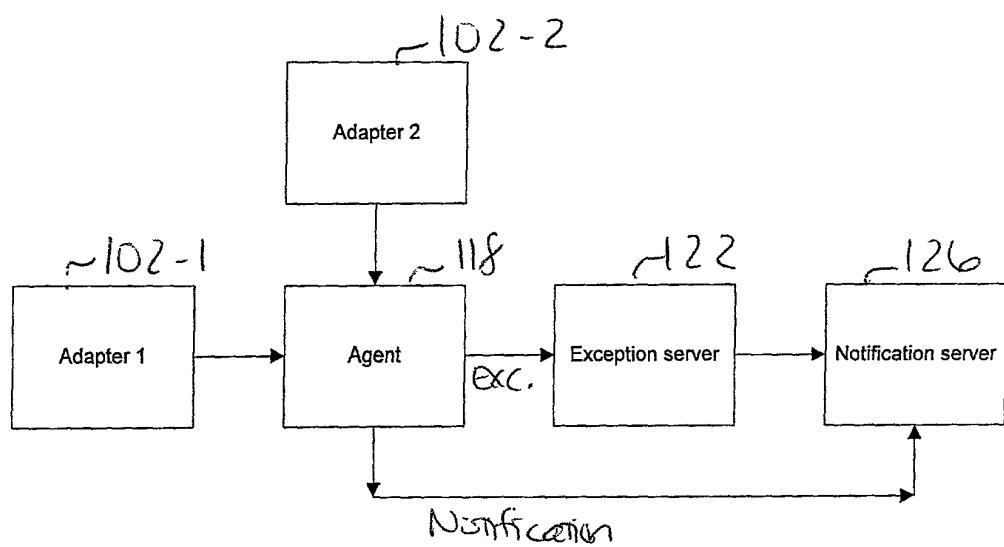


FIG. 18

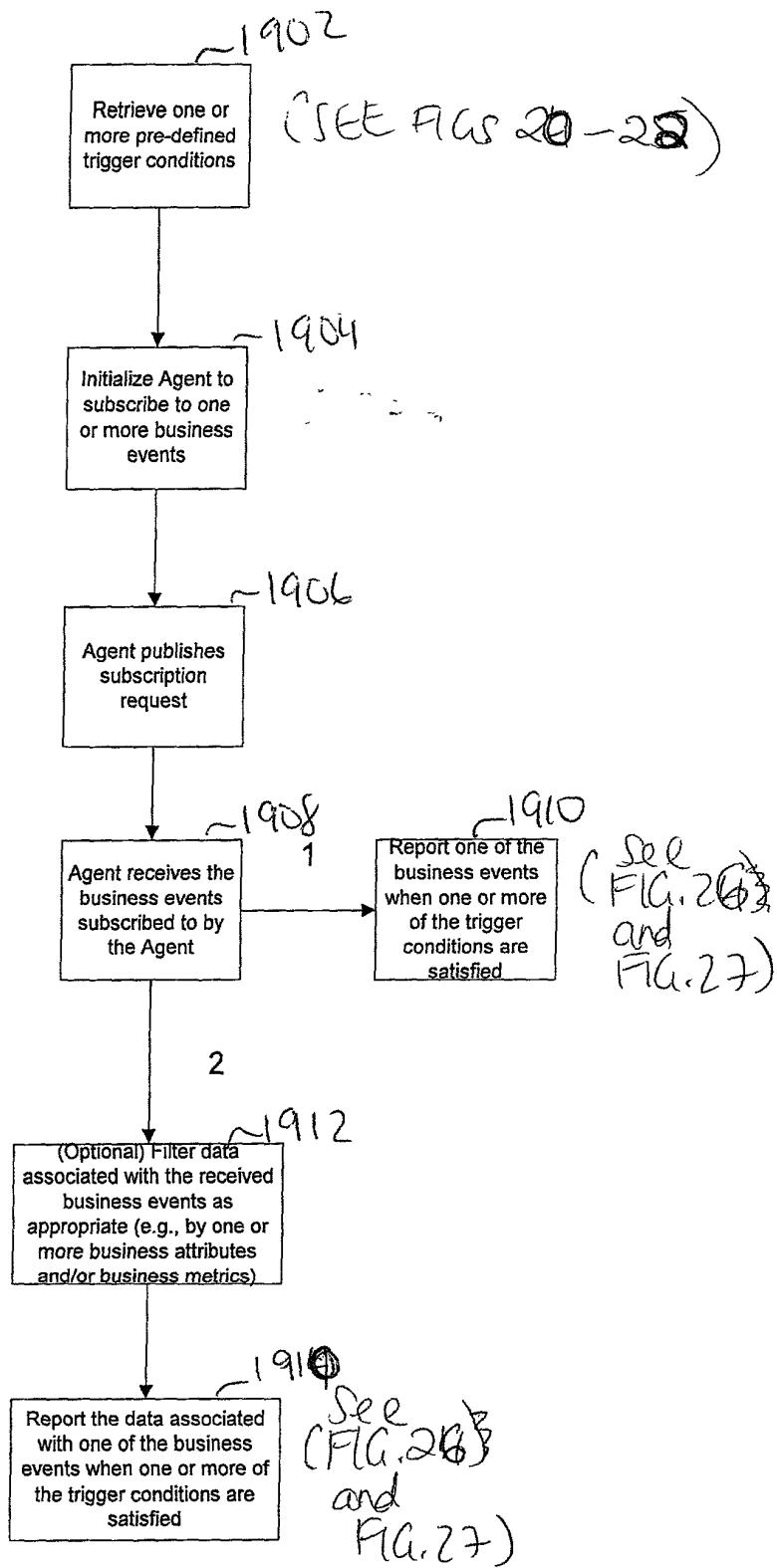


FIG. 19

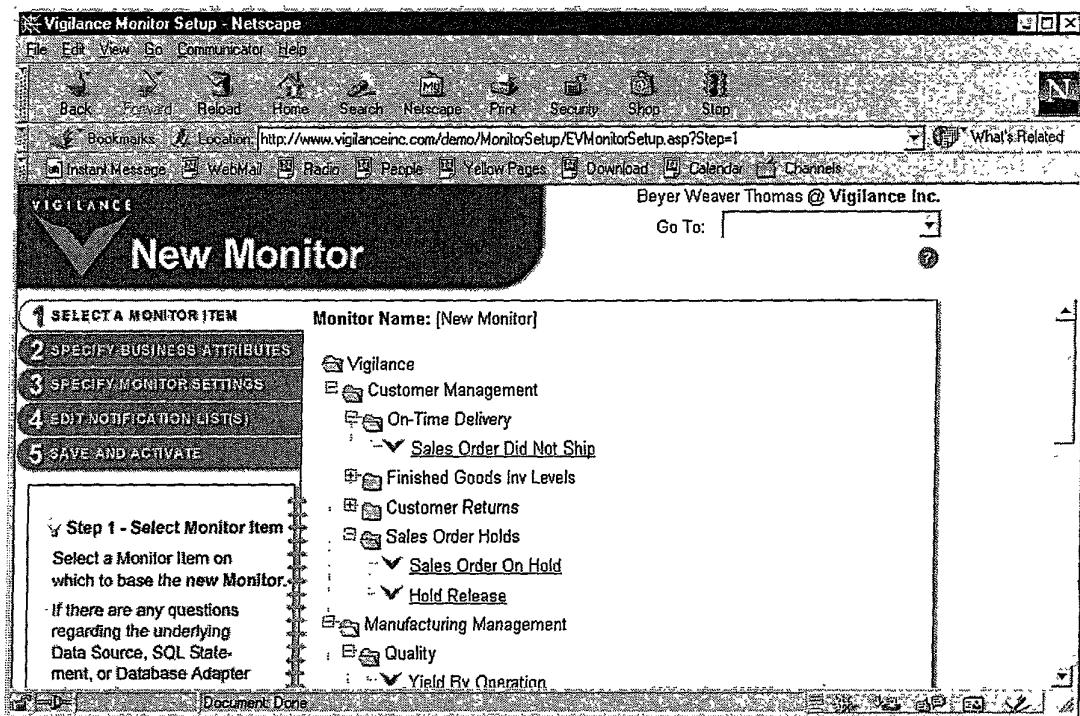


FIG. 20

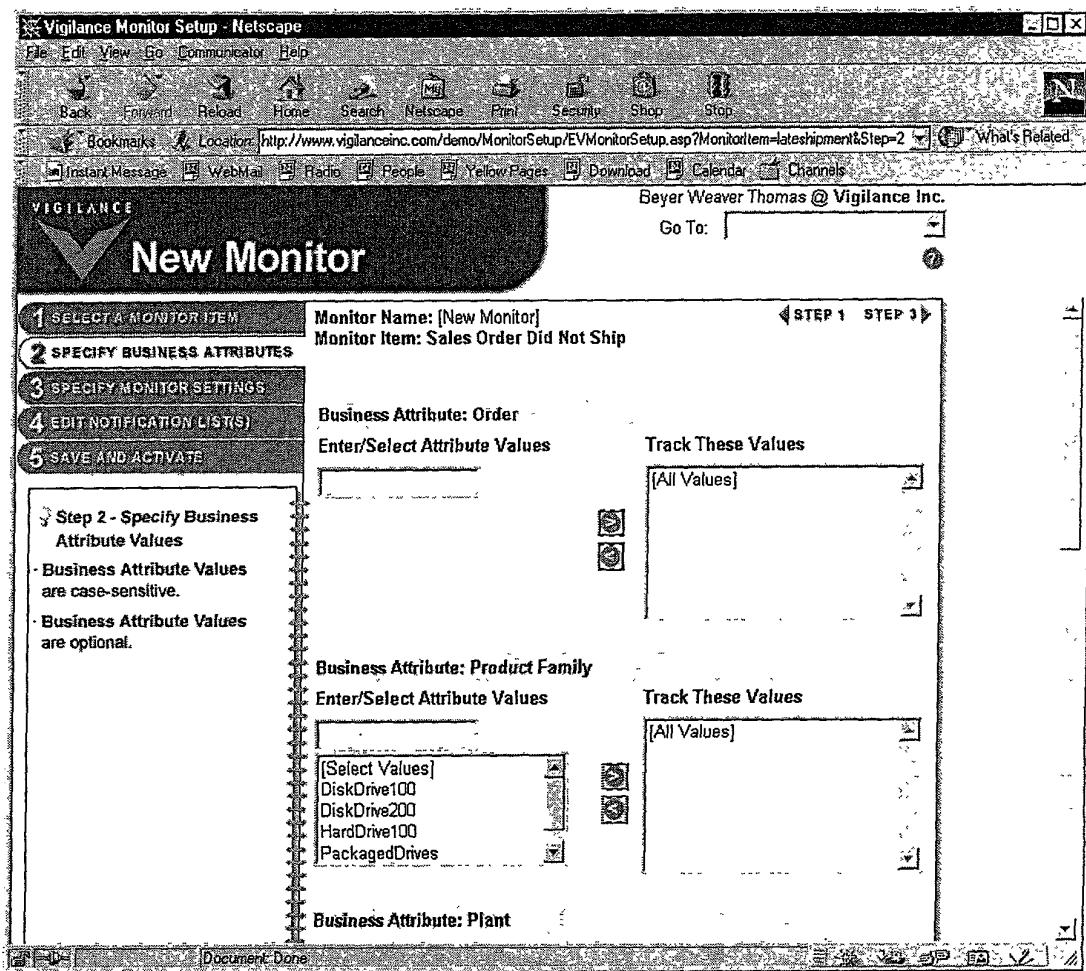


FIG. 21

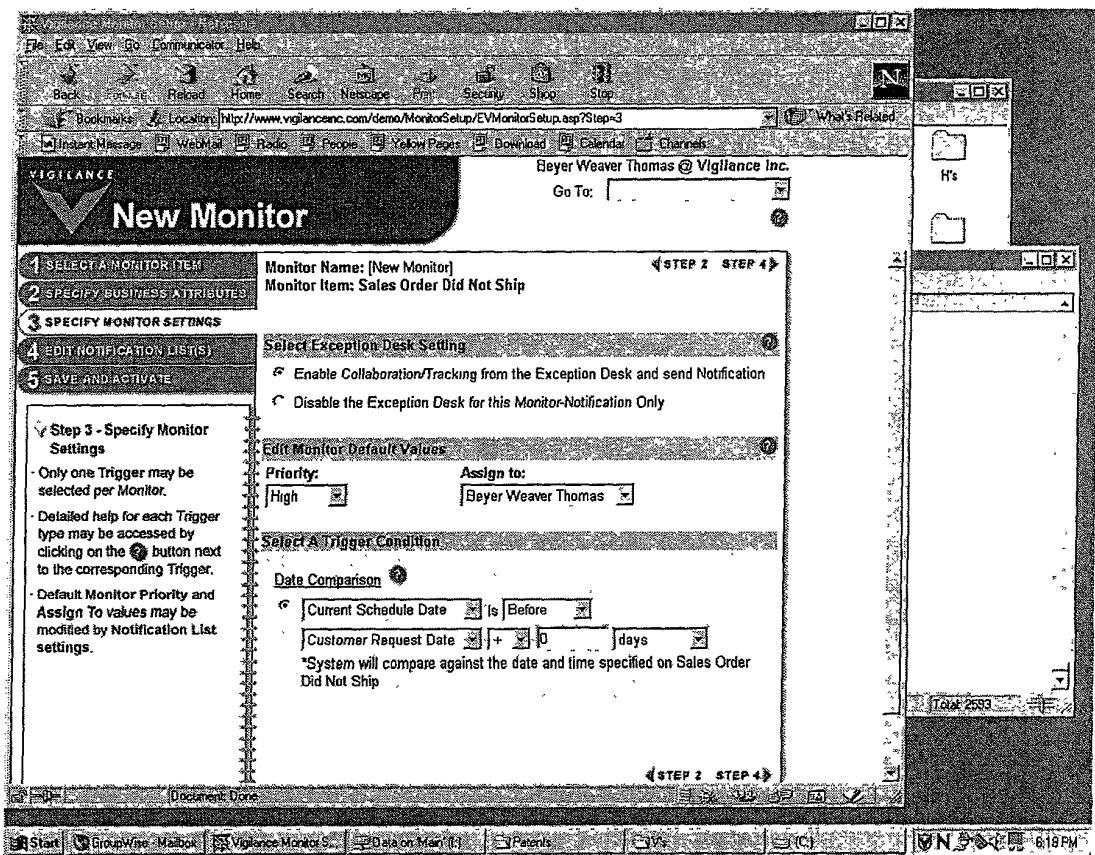


FIG. 22

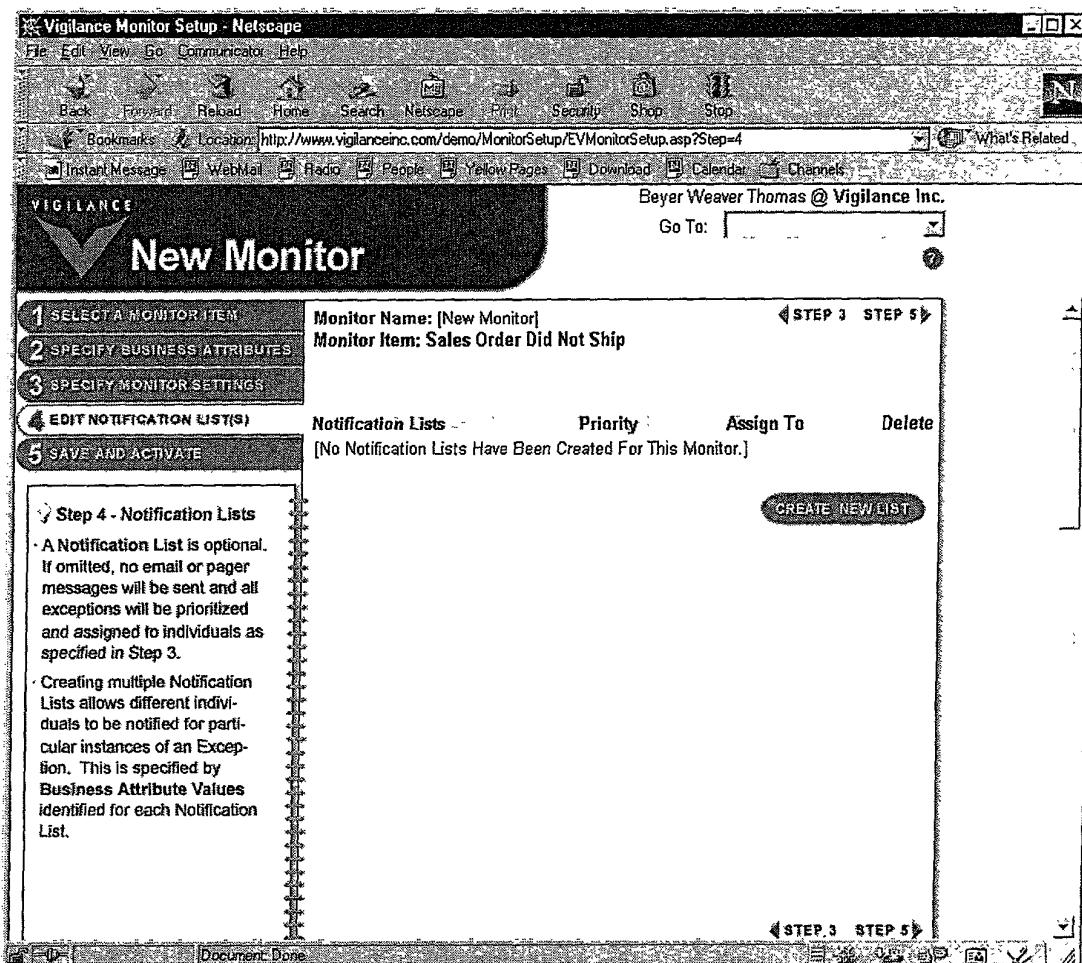


FIG. 23

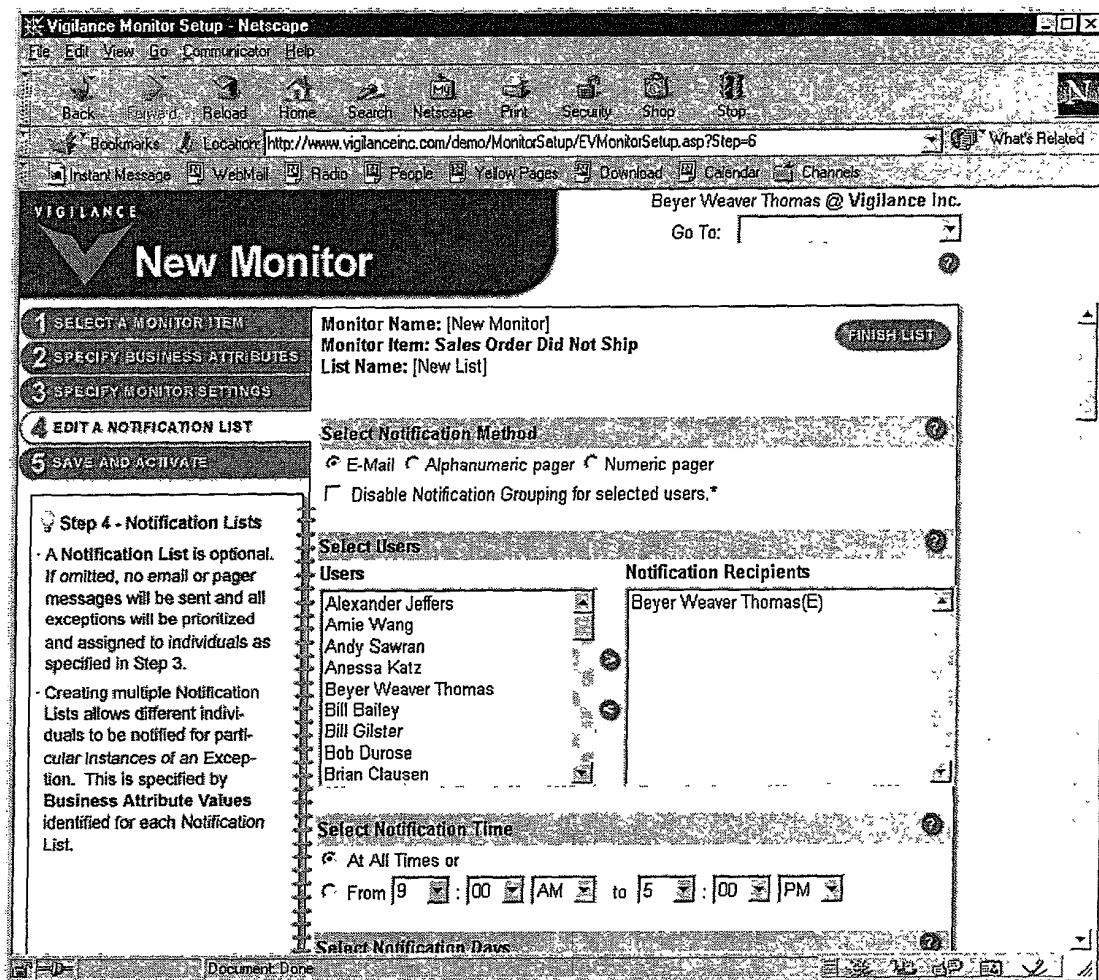


FIG. 24A

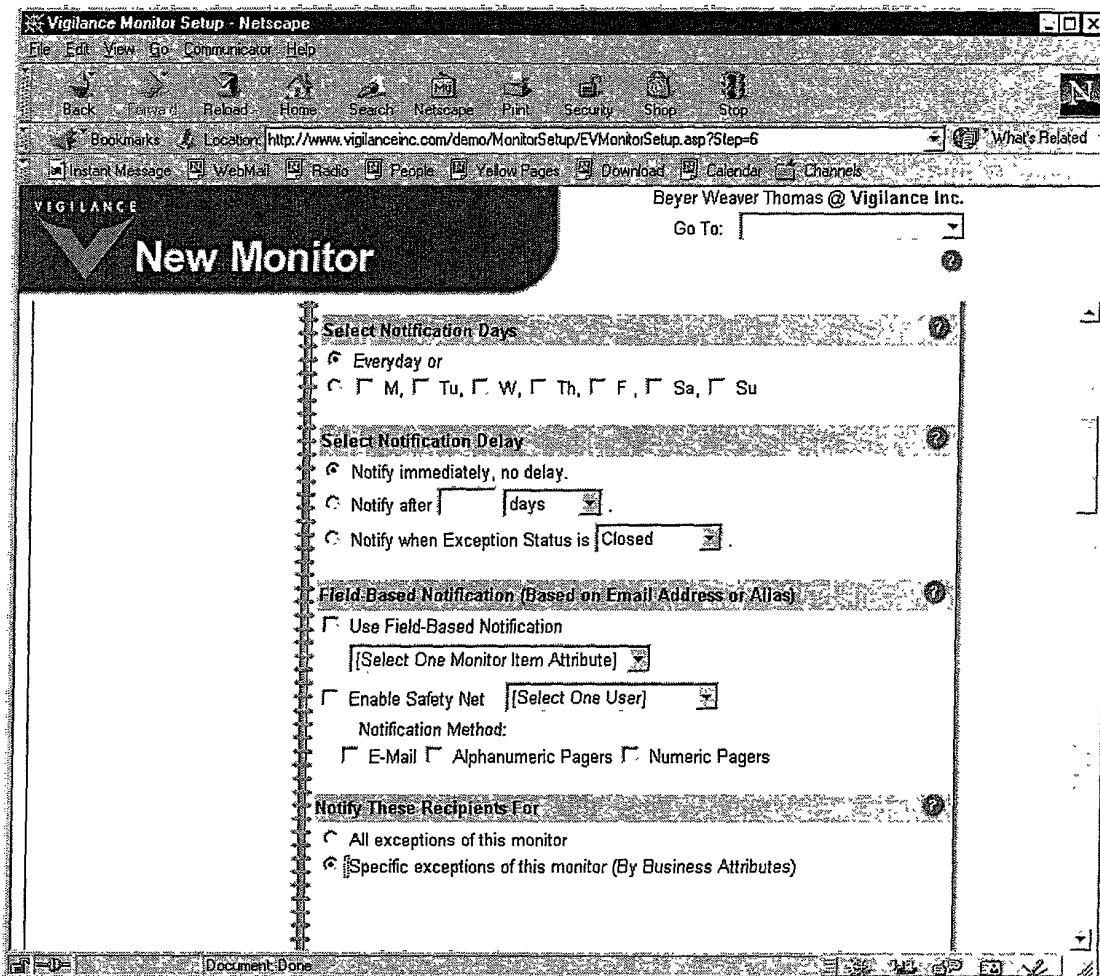


FIG. 24B

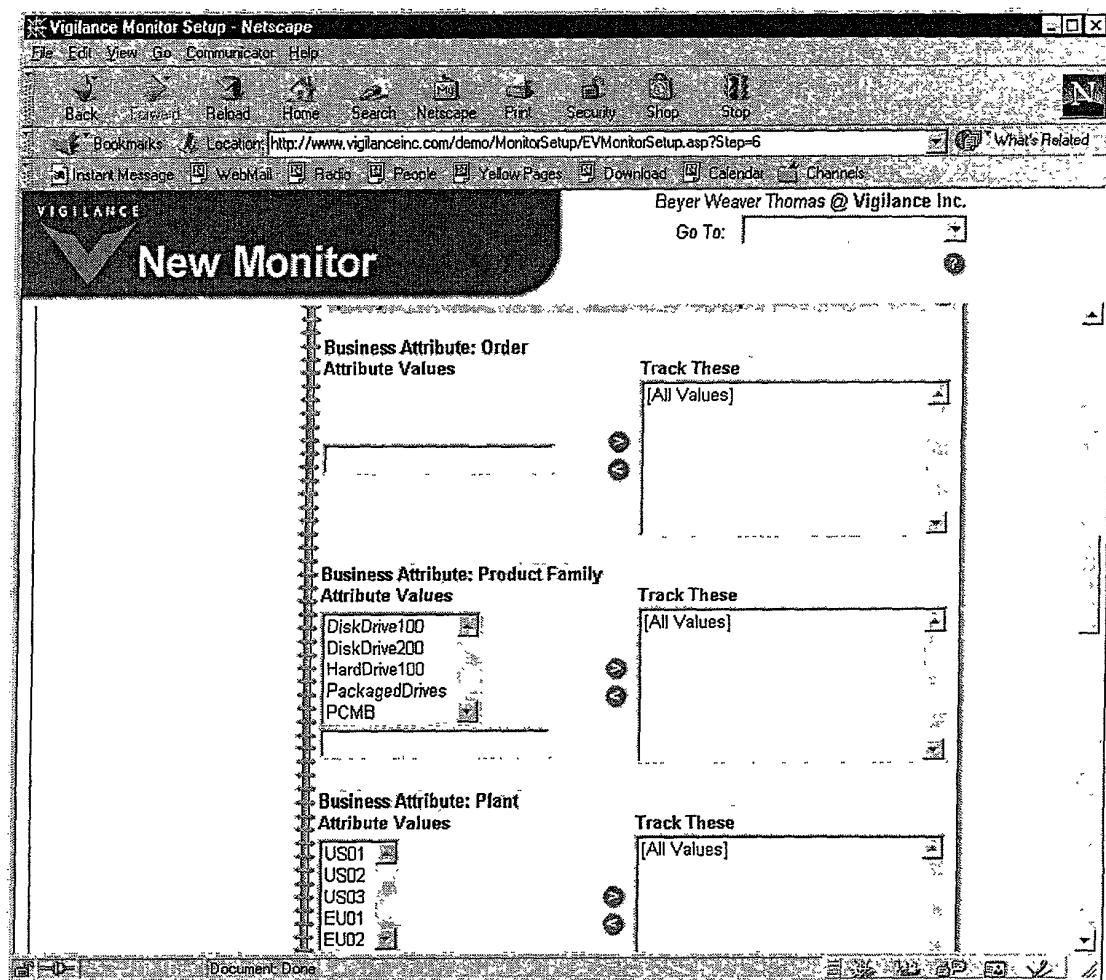


FIG. 24C

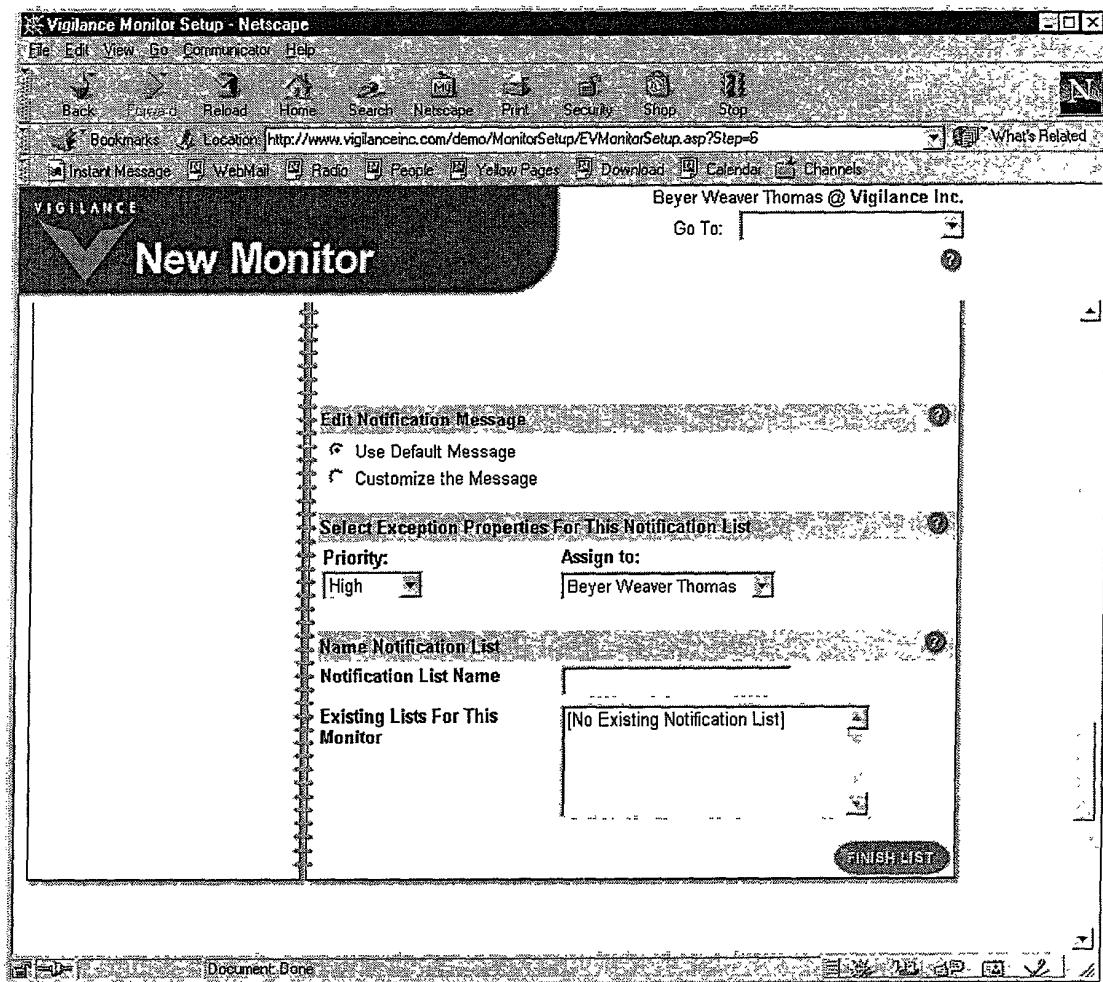


FIG. 24D

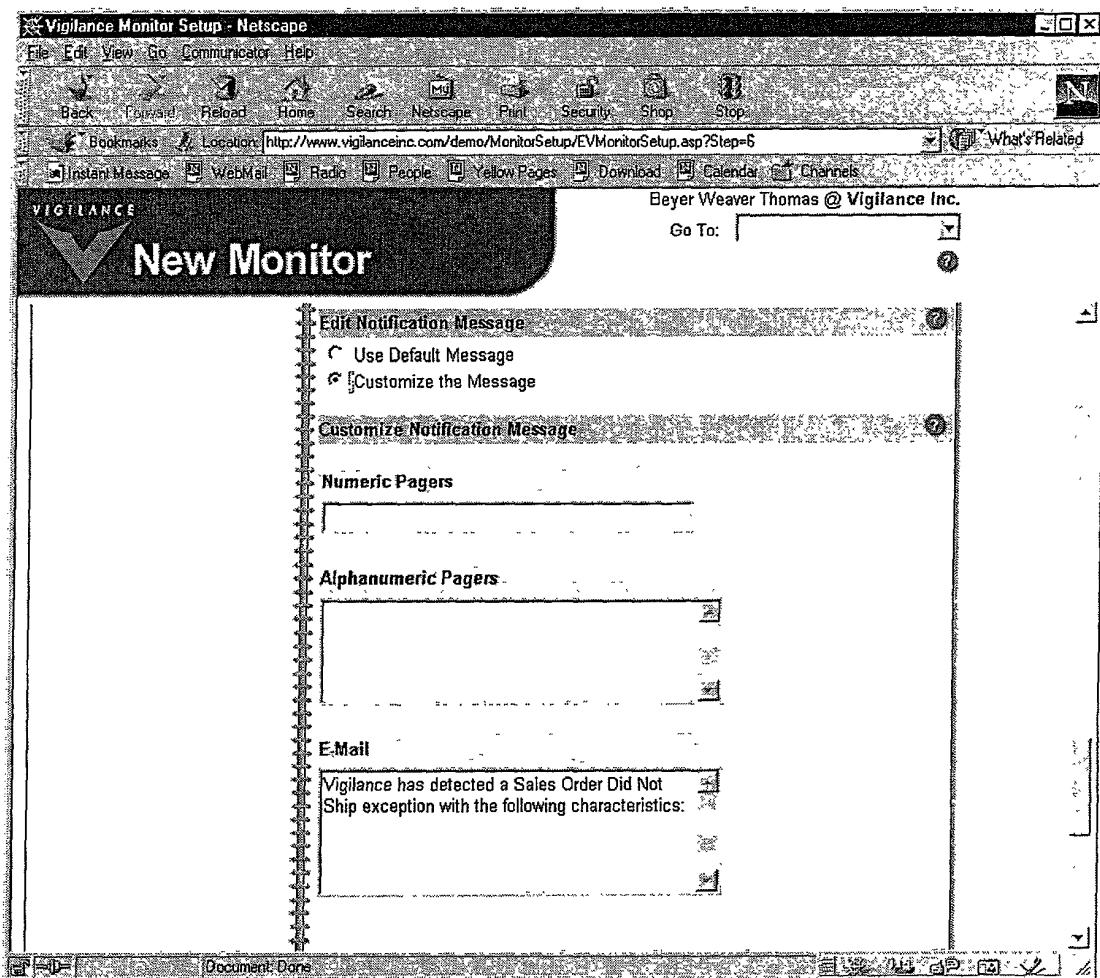


FIG. 24E

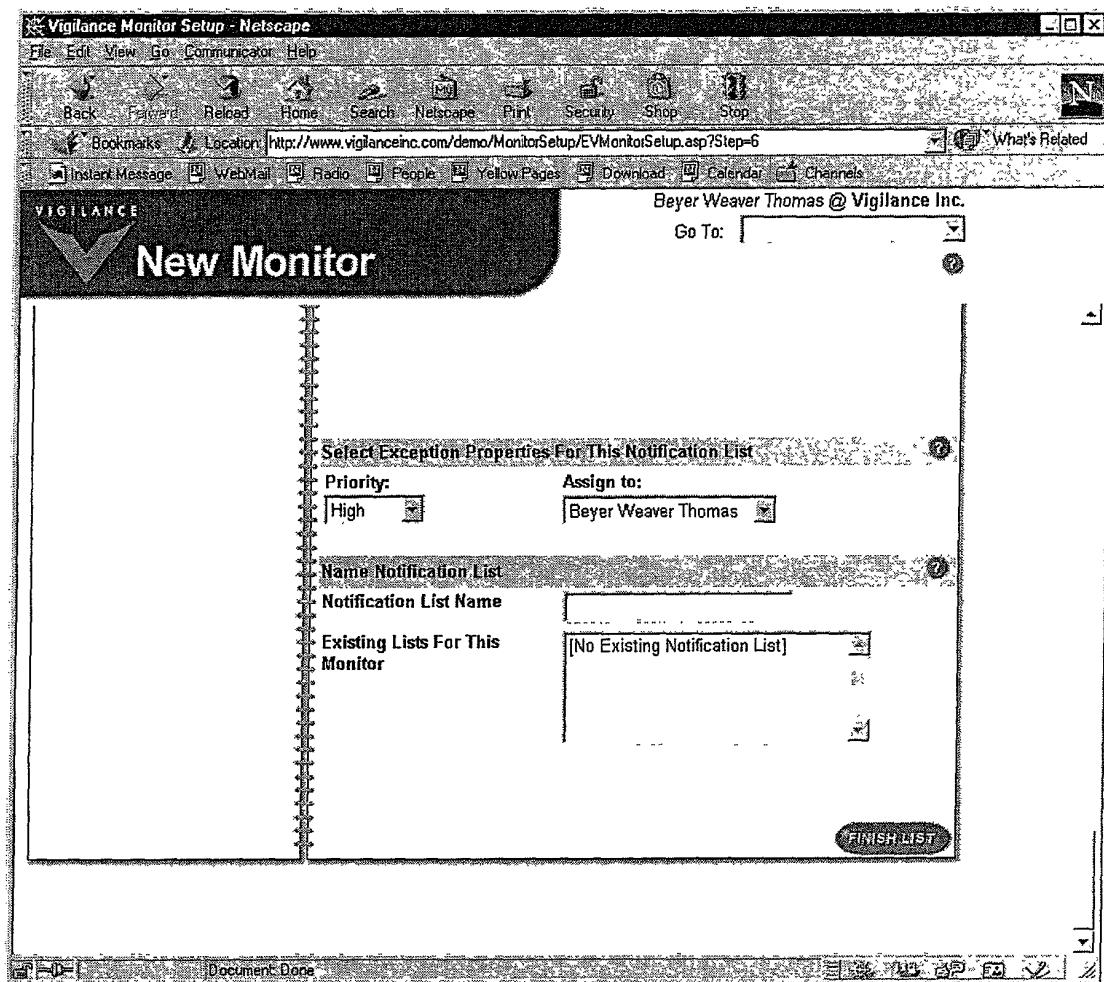


FIG. 24F

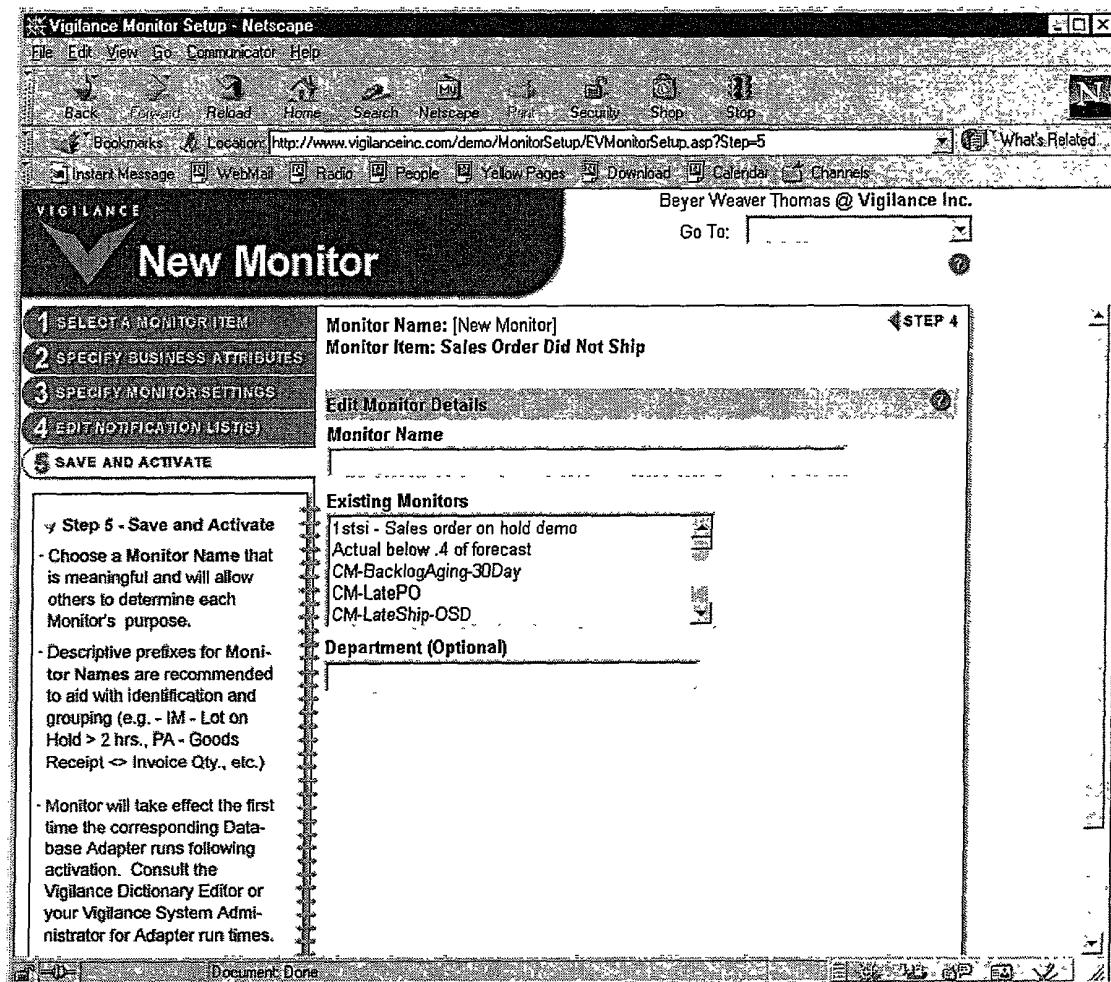
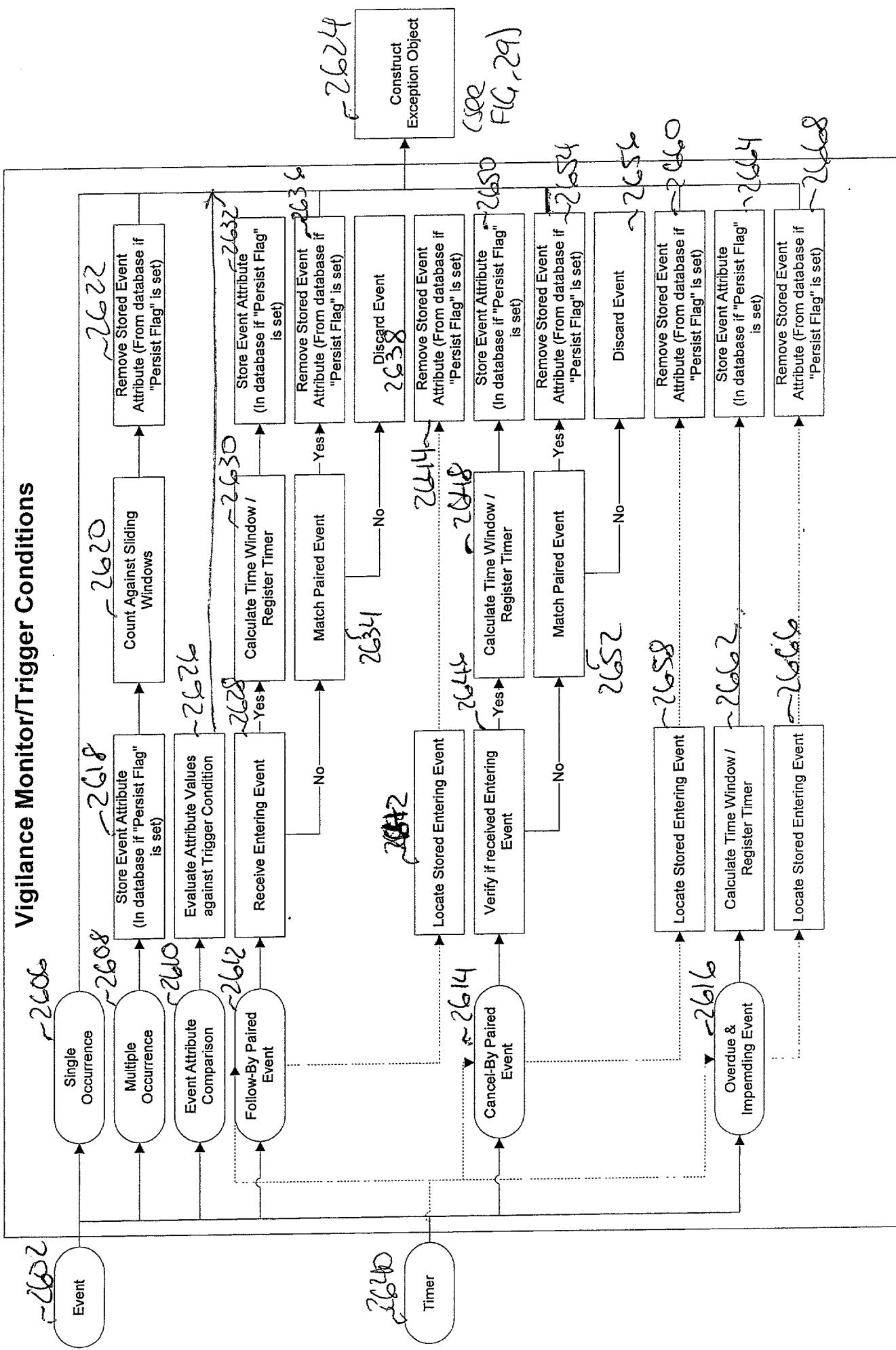


FIG. 25

2604

Vigilance Monitor/Trigger Conditions



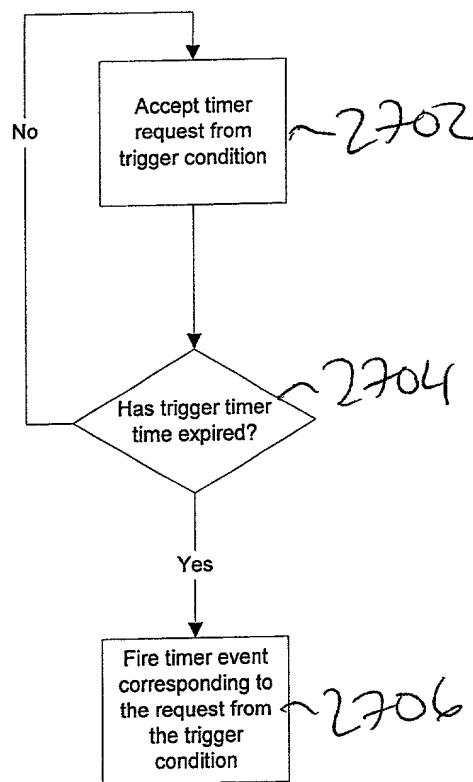


FIG. 27

Monitor object

Monitor Name 2802
Monitor Author 2804
Condition 2806
One or more attributes 2808 (e.g., including one or more values)
Notification 2810
Assignment 2812

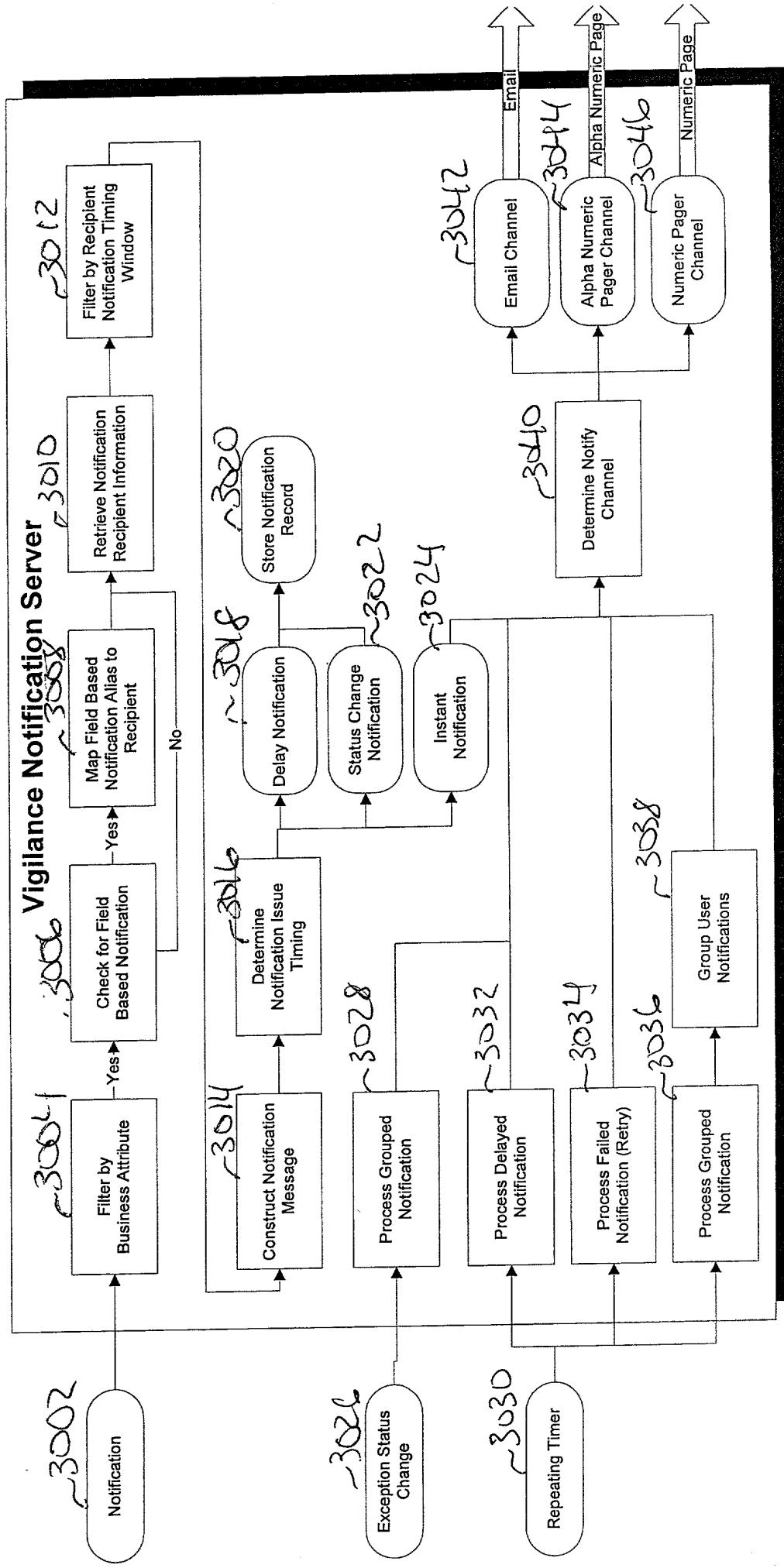
FIG. 28

Exception object

Exception identifier 2902	Exception description 2904	Event identifier 2906
Trigger condition 2908	Trigger type 2910	One or more attributes (e.g., business metrics) 2912
One or more attribute values 2914	Monitor name 2916	Monitor item 2918
Notification/exception 2920	Assign to 2922	Priority 2924
Detection time 2926	Analysis 2928	Analysis author 2930

FIG. 29

FIG. 30



SCANNED # 0

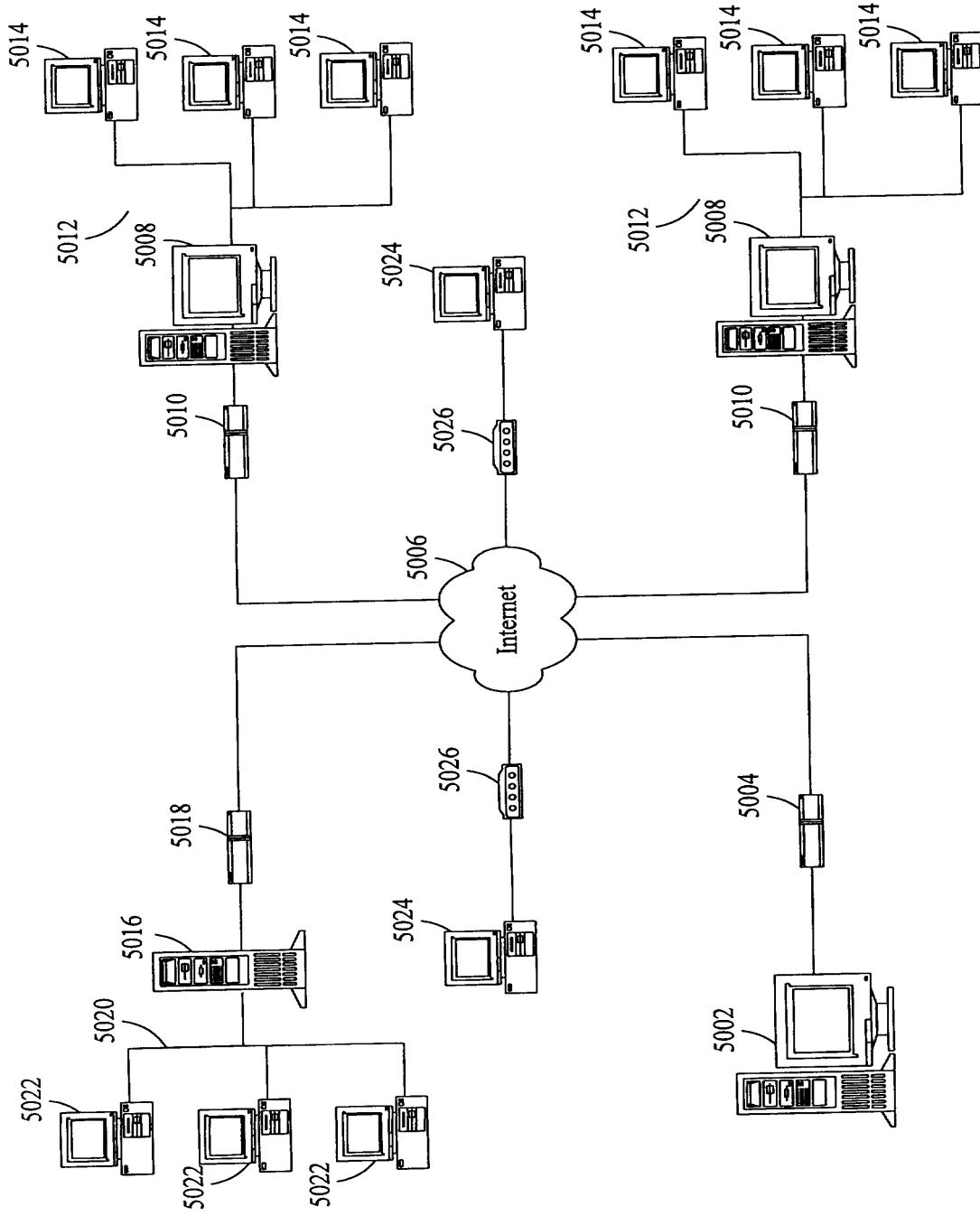


FIG. 31